

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	890	407/58,59,61-63.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/07 19:05
L3	890	L2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/07 19:05
L4	14	("20020031409"   "20020067964"   "3409965"   "4175896"   "4712948"   "5026227"   "5188487"   "5193943"   "5209612"   "5580196"   "6082935"   "6648559"   "6719501").PN. OR ("6953310"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/07 19:05
S1	248	407/48.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/22 11:38
S2	872	407/58,59,61-63.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/07 19:05
S3	1161	407/34,47,48,53,56.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/07 16:14
S4	75	S3 and insert\$3 and convex	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/10 09:59
S5	2	("3672017").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/01/10 10:01
S6	582952	S5 overlap\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/10 10:00

## EAST Search History

S7	0	S5 and overlap\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/10 10:02
S8	0	S5 and mark\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/10 10:01
S9	2	("4285618").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/01/10 10:03
S10	0	S9 and overlap\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/10 10:02
S11	2	("5083887").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/01/10 10:02
S12	2	("5123786").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/01/10 10:03
S13	2	("5586843").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/01/10 10:03
S14	2	("5904449").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/01/10 10:04
S15	2	("5913644").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/01/10 10:04
S16	2	("5944456").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/01/10 10:05

## EAST Search History

S17	2	("5947649").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/01/10 10:05
S18	2	("6345941").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/01/10 10:06
S19	248	407/48.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/10 10:07
S20	0	S19 and overlap\$3 and mark\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/10 10:07
S21	30	S19 and overlap\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/10 10:07
S22	3580951	S19 and overlap\$3 same workpiece (work piece)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/10 10:08
S23	3580951	S19 and overlap\$3 same workpiece or(work piece)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/10 10:08
S24	5	S19 and overlap\$3 same workpiece	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/10 10:23
S25	6	S19 and overlap\$3 same work	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/10 10:12
S26	19700	s2and overlap\$3 same work	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/10 10:12

## EAST Search History

S27	872	407/58,59,61-63.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/10 10:12
S28	23	S27 and overlap\$3 same work	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/10 10:17
S29	1161	407/34,47,48,53,56.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/10 10:17
S30	75	S29 and insert\$3 and convex	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/10 10:17
S31	2	S30 and overlap\$3 same work	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/10 10:17
S32	0	S19 and lap\$3 and mark\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/10 10:23
S33	10	S19 and mark\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/10 10:24
S34	52	S27 and mark\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/10 10:24
S35	13	S27 and mark\$3 same work\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/10 10:26
S36	24	S29 and mark\$3 same work\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT.	OR	ON	2005/01/10 10:26

## EAST Search History

S37	31	("2549251"   "4072438"   "4093392"   "4182587"   "4648755"   "4681485"   "4708537"   "4714383"   "4790693").PN. OR ("5083887").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/10 12:15
S38	2	("5083887").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/01/10 12:15
S39	1	S38 and taper\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/10 12:49
S40	2	("4790693").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/01/10 12:50
S41	1	S40 and taper\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/10 12:51
S42	2	("4681485").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/01/10 15:44
S43	571	407/42,51.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/10 16:46
S44	2	("4681485").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/01/10 16:46
S45	0	S44 and stepp\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/11 10:40
S46	2	("4681485").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/01/11 11:52

## EAST Search History

S47	1	S46 and lateral\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/11 10:40
S48	2	("4681485").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/01/11 11:52
S49	1	S48 and radius	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/11 11:57
S50	430	B23C005/02.ipc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/11 11:58
S51	0	(B23C005/02).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/01/11 13:20
S52	2	("4681485").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/01/11 13:20
S53	0	S52 and helical@3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/11 13:20
S54	2	S52 and helical\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/11 13:59
S55	2	("0000407").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/01/11 14:00
S56	248	407/48.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/11 14:00

## EAST Search History

S57	6	S56 and dimensional adj tolerance	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2005/01/11 14:03
S58	872	407/58,59,61-63.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/11 14:03
S59	4	S58 and dimensional adj tolerance	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2005/01/11 14:08
S60	1162	407/34,47,48,53,56.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/08 12:53
S61	10	S60 and dimensional adj tolerance	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2005/01/11 15:40
S62	159264	"407"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2005/01/11 15:41
S63	248	407/48.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/11 15:41
S64	0	S63 and radial adj runout	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2005/01/11 15:41
S65	0	S63 and radial adj run\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2005/01/11 15:42
S66	872	407/58,59,61-63.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/11 15:42

## EAST Search History

S67	0	S66 and radial adj run\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2005/01/11 15:42
S68	110	S66 and runout or (run ajd out)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2005/12/08 12:53
S69	8568	S66 and runout or (run-out)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2005/01/11 15:43
S70	2348	S69 and radial	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2005/01/11 15:43
S71	69	S70 and rota\$4 adj tool	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2005/01/12 17:44
S72	2	("4790693").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/01/12 17:44
S73	0	S72 and tolerance	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/12 17:44
S74	0	S72 and runout	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/12 17:45
S75	0	S72 and overlap	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/12 17:45
S76	0	S72 and stagger	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/12 17:45



## EAST Search History

S77	2	("4681485").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/01/13 13:39
S78	879	407/58,59,61-63.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/03 16:29
S79	879	S78	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/03 16:29
S80	2	("20050089379").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/03 17:12
S81	1198	407/34,47,48,53,56.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/08 12:54
S84	19	S81 and (runout or (run adj1 out))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/08 12:54
S85	17	("1948057"   "3157938"   "4093392"   "4182587"   "4519731"   "4586855").PN. OR ("4844666"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 13:09
S86	258	407/48.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/22 11:38
S87	258	S86	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/22 11:38
S88	884	407/58,59,61-63.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/22 11:48

## EAST Search History

S89	831	S88 not S86	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/22 19:42
S90	27	("3279034"   "3279035"   "3551978"   "3670380"   "3762005"   "4175896"   "4182587"   "4566827").PN. OR ("4714383"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/22 19:38
S91	258	407/48.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/22 19:43
S92	884	407/58,59,61-63.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/22 19:43
S93	831	S92 not S91	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/22 19:43
S94	180	S93 and (helix or helical\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/22 19:43
S95	163	S94 and (insert or cutter or blade)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/22 19:43
S96	63	S94 and insert	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/22 19:44
S97	7	("4035890"   "4648760"   "4790693"   "4844666"   "5443334"   "5603365"   "6126366").PN. OR ("6659694").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/22 19:51
S98	2	("20050089379").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/24 15:05

## EAST Search History

S99	27	("3279034"   "3279035"   "3551978"   "3670380"   "3762005"   "4175896"   "4182587"   "4566827").PN. OR ("4714383").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/07 16:58
S10 2	2	("19611276").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/07 16:59